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NOTES.

Mr. H. W. Kuhn, of Cornell University, has been appointed Professor of Mathematics in the Ohio State University at Columbus, Ohio.

Dr. George Bruce Halsted has been invited to make at the Denver meeting of the Association for the Advancement of Science, August 24-31, 1901, a supplementary report on Non-Euclidean Geometry.

Professor H. A. Rowland, one of America's most noted physicists, died at Ealtimore April 16. Professor Rowland was for a number of years past, Director of the Physical Laboratory at Johns Hopkins University.

Dr. E. A. Engler, Professor of Mathematics in Washington University, St. Louis, Mo., has been elected President of the Worcester Polytechnic Institute, to succeed Dr. T. C. Mendenhall who resigned on account of ill health.

Dr. G. A. Miller has recently been appointed Secretary of Section A of the American Association for the Advancement of Science in place of Professor Lord who resigned. Papers for the program of the Denver meeting should therefore be sent to Dr. Miller, 115 Cook St., Ithaca, N. Y.

BOOKS AND PERIODICALS.

Elements of Astronomy. By Simon Newcomb, Ph. D., LL. D., late Professor of Mathematics and Astronomy, Johns Hopkins University, formerly Senior Professor of Mathematics, U. S. Navy, and Superintendent of the American Ephemeries and Nautical Almanac. 1877-97. 12mo, cloth, 240 pages. Price, $1.00. New York and Chicago: American Book Co.

The general scope and plan of the book may be seen from the titles of the chapters: I. Relation of the Earth to the Heavens; II. The Revolution of the Earth Round the Sun; III. of Time; IV. Observation and Measurement of the Heavens; V. Gravitation; VI. The Earth; VII. The Sun. This book is written by America's foremost astronomer and, therefore, so far as the matter of the work is concerned no criticism can be offered. Neither can any criticism be offered as to the method of presentation. The author has certainly succeed in making a text-book simple and lucid enough to be comprehended by any one who has mastered the elements of arithmetic and the most rudimental principles of geometry, and at the same time it is full and complete enough for more advanced readers.

B. F. F.

The Riddle of the Universe at the Close of the Nineteenth Century. By Ernst Haeckel, Ph. D., M. D., LL. D., Sc. D., and Professor at the University of Jena, author of "The History of Creation," "The Evolution of Man," etc., translated by Joseph McCabe. 8vo, cloth, 390 pages. Price, $1.50. New York and London: Harper & Bros.

The scope of the work may be inferred from the titles of the chapters: I. The Nature of the problem; II. Our Bodily Frame; III. Our Life; IV. Our Embryonic Develop-

ment; V. The History of Our Species; VI. The Nature of the Soul; VII. Psychic Gradations; VIII. The Embryology of the Soul; IX. The Philogony of the Soul; X. Consciousness; XI. The Immortality of the Soul; XII. The Law of Substance; XIII. The Evolution of the World; XIV. The Unity of Nature; XV. God and World; XVI. Knowledge ahd Belief; XVII. Science and Christianity; XVIII. Our Monistic Religion; XIX. Our Monistic Ethics; XX. Solution of the World's Problems; Conclusion.

While the author has not solved the great "Riddle" to the entire satisfaction of every one who reads this work, yet he has handled the difficult problem with which he has dealt in a masterly way. A solution of this problem to satisfy all shades of belief is impossible, for there is only one solution, but there is an infinitude of beliefs and opinions. To read the correct solution, should it ever be given, one must lay aside all shades of beliefs and opinions and follow with an unbiased mind, step by step, the argument set forth. The author has not, in the light of more recent scientific discovery and progress, seen fit to change his opinions in reference to these great problems as formulated and expressed a quarter of a century ago. B. F. F.

The Measurement of General Exchange-Value. By Correa Moylan Walsh. Large 8vo, cloth, 580 pages. Price, $3.00, New York and London: The Macmillan Co.

This work should be in the hands of every teacher of Political Economy. In dealing with his subject, the author does not use any more mathematics than may be fairly expected to be known by a liberally educated person. B. F. F.

A Short History of the Greeks from the Earliest Times to B. C. 146. By Evelyn S. Shuckburgh, M. A., Late Fellow of Emanuel College, Cambridge. Author of "A Translation of Polybius," etc. 8vo. Cloth, 388 pages. Price, $1.10. New York and London: The Macmillan Co.

In this book, the story of the early Greeks is told with unusual interest. In developing the story, the author has chosen those topics which illustrate the political life and intellectual activities of the Greeks wherever they lived. B. F. F.

American Journal of Mathematics. Edited by Frank Morley, with the cooperation of Simon Newcomb, A. Cohen, Charlotte A. Scott, and other mathematicians. Published under the auspices of Johns Hopkins University. Issued quarterly. Price, $5.00 per year. Single Number, $1.50.

Number 2, Vol. XXII, contains the following articles: The Cross-ratio Group of 120 Quadratic Cremona Transformation of the Plane, by H. E. Slaught; Memoir on the Algebra of Symbolic Logic, by A. N. Whitehead; On a Special Form of Annular Surfaces, by Virgil Snyder; On the Transitive Substitution Groups whose Order is a Power of a Prime Number, by G. A. Miller; Geometry on the Cubic Scroll of the Second Kind, by Frederick C. Ferry. B. F. F.